

ABSTRACT OF THE DISCLOSURE

A safety trocar device designed for safe abdominal endoscope operation, including a trocar assembly and a bracket. The trocar assembly includes a sleeve, a trocar and an insufflation needle. A bottom end of the trocar assembly has a thrust section. In use, the trocar assembly is mounted on a suspension arm of the bracket and the bracket is fixed on an operation table. The bracket has an elevation arm under the suspension arm for hooking the abdominal wall of a patient. In operation, an operator continuously turns the trocar assembly with one hand and the abdominal wall is gradually elevated by the elevation arm, whereby the thrust section penetrates through the abdominal wall. Accordingly, the trocar assembly will only drill through the elevated abdominal wall without touching the organs in the abdominal cavity. The trocar assembly is provided with penetration indicator for the operator to judge whether the trocar assembly has truly penetrated through the abdominal wall.